

Attorney Docket No.: 1284-01

In re Application of Rainer Heintzmann et al.

Serial No.: 09/914,515

Filed: August 29, 2001

For: PROCESS AND DEVICE FOR OBJECT IMAGING

COMMISSIONER FOR PATENTS  
Washington, DC 20231

Sir:

Transmitted herewith is an Amendment in the above-identified application.

- Small entity status of this application under 37 CFR §1.9 and §1.27 has been established by a verified statement previously submitted.
- A verified statement to establish small entity status under 37 CFR §1.9 and §1.27 is enclosed.
- No additional fee is required.

The fee has been calculated as shown below:

	(Col. 1)	(Col. 2)	(Col. 3)	SMALL ENTITY	OTHER THAN SMALL ENTITY
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NO. PRE- VIOUSLY PAID FOR	PRESENT EXTRA		
TOTAL	* 52	-	** 26 =	26	
INDEP.	* 2	-	*** 3 =	0	
<u>First presentation of multiple dependent claim</u>					
		RATE	ADD'L FEE		
		x 9=	\$234.00		
		x42=	\$		
		+140=	\$		
				OR	
		RATE	ADD'L FEE		
		x18=	\$		
		x84=	\$		
		+280=	\$		

TOTAL ADDITIONAL FEE \$234.00 OR \$ \_\_\_\_\_

- \* If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.
- \*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.
- \*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space.

— The "Highest Number Previously Paid For" (Total or Independent) is the highest number found from the equivalent box in Col. 1 of a prior amendment or the number of claims originally filed.

- Please charge my Deposit Account No. 13-3405 in the amount of \$ \_\_\_\_\_.  
A duplicate copy of this sheet is enclosed.
- x A check in the amount of \$234.00 is attached.
- x The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 13-3405. A duplicate copy of this sheet is enclosed.
- x Any filing fees under 37 CFR §1.16 for the presentation of extra claims.
- x Any patent application processing fees under 37 CFR §1.17 with the exception of the Issue Fee which we intend to pay by check.



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit :  
Examiner :  
Serial No. : 09/914,515  
Filed : August 29, 2001  
Inventors : Rainer Heintzmann  
              Christoph Cremer  
Title : PROCESS AND  
        DEVICE FOR  
        OBJECT IMAGING



22469

Docket: 1284-01

Dated: October 29, 2001

7/a  
D. Scott  
7-6-02

**PRELIMINARY AMENDMENT**

**BOX PCT**  
Commissioner for Patents  
Washington, DC 20231

Sir:

Prior to action on the merits, using clean copies of the Specification and Claims and also marked-up versions of such, we respectfully request consideration of the following amendments and remarks:

**In the Specification (Marked-Up Version)**

Before the first paragraph on page 1, please insert the following heading:

**FIELD OF THE INVENTION**

Before the second paragraph on page 1, please insert the following heading:

**BACKGROUND**

Please replace the second paragraph on page 1 with the following:

The resolution capability of optical imaging systems is often decisively determined by the object-side aperture of an objective lens and its index of refraction. Light going out from an object can only be detected if it hits the objective within the acceptance angle of the objective. The higher the resolution capability is, the higher the space frequencies of the object structure to be imaged which can be detected. The detection of the space frequencies is described by the light-optical transfer function or modulation transfer